

TECHNICAL MANUAL

**ORGANIZATIONAL MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST**

**LANDING CRAFT UTILITY
LCU 1671 THROUGH 1679
NSN 1905-01-009-1056**

Distribution Statement A: Approved for public release; distribution is unlimited.

*This manual together with TM 55-1905-220-20P-2, supersedes TM 55-1905-220-20P-1, 26 November 1984 and TM 55-1905-220-20P-2, 26 November 1984.

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This manual is printed in two volumes as follows:

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TM 55-1905-220-20P-2, consisting of Table of Contents, Section I, Section II (Functional Groups 12 thru 24),

Section III, and Section IV. Section IV is applicable to the -1 and -2.

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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TABLE OF CONTENTS

	Illus/ Figure	Page	
Section I.	INTRODUCTION	1	
Section II.	REPAIR PARTS LIST	1-1	
Group 01	Propulsion Unit		
	Diesel Engine and Marine Gear Mounting	1-1	1
	Marine Gear	2-1	2
	Marine Gear Selector Valve	3-1	3
	Control Station and Articulator	4-1	4
	Control Unit and Linkage	5-1	5
	Shutdown Head and Linkage	6-1	6
	Engine Throttle Linkage	7-1	7
	Variable Speed Governor	8-1	8
	Governor Housing Assembly	9-1	9
	Air intake	10-1	10

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TABLE OF CONTENTS (Cont'd)

	Page	Illus/ Figure
Ventilation	11-1	11
Blower Assembly	12-1	12
Blower Coupling	13-1	13
Fuel Pump	14-1	14
Fuel Lines	15-1	15
Fuel Strainer-	16-1	16
Fuel Filter	17-1	17
Fuel-Injectors	18-1	18
Dual Oil Filter	19-1	19
Marine Gear Oil Cooler Lines	20-1	20
Oil Cooler	21-1	21
Raw Water Pump	22-1	22
Expansion Tank	23-1	23
Water Connections.....	24-1	24
Water Manifold	25-1	25
Thermostat and Housing	26-1	26
Tachometer Drive	27-1	27
Instrument Panel	28-1	28
Alarm System Switches	29-1	29
Crankshaft Pulley	30-1	30
Engine Lift Brackets and: Supports	32-1	32
Exhaust Manifolds	33-1	33
Rocker Arm Covers	34-1	34
Injector Control	35-1	35
Flywheel and Housing	36-1	36
Camshaft Assembly (Right and Left Bank)	37-1	37
Valve Operating Mechanism	40-1	40
Exhaust Valve Arrangement	41-1	41
Cylinder Head	42-1	42
Oil Pan and: Dipstick	43-1	43
Lube Oil Regulator and Relief Valve	44-1	44
Lube Oil Pump	45-1	45
Oil Distribution System	46-1	46
Pistons, Connecting Rods and Liners	47-1	47
Crankshaft and Bearing	48-1	48
Cylinder Block	49-1	49
Starting Add	50-1	50
Hydro starter-Propulsion Engine	51-1	51
Hydro starter-Diesel Generator Engine	52-1	52
Hydraulic Starting System Accumulator	53-1	53
Engine Driven Hydraulic Pump:	54-1	54
Hydraulic Starting System Hand Pump	55-1	55
Hydraulic Starting System Piping-Forward Engine Room	56-1	56
Hydraulic Starting System Solenoid Valves	57-1	57

TABLE OF CONTENTS (Cont'd)

	Page	Illus/ Figure
Hydraulic Starting System Piping-AFT Engine Room	58-1	58
Hydraulic Starting System Reservoir	59-1	59
Port and Starboard Propeller and Shafting	62-1	62
Spare Propeller and Shaft Protector	63-1	63
Line Shafting-Port Side Only	64-1	64
Propeller Split Shaft Seal	65-1	65
Propeller Shaft Lock	66-1	66
Electric Power Generation and Distribution		
Ships Service Main Switchboard	67-1	67
Shore Power Connection Box	69-1	69
Power Distribution Panel P400	70-1	70
Power Distribution Panel P401	71-1	71
Power Distribution Panel P409	72-1	72
Power Distribution Panel P410	73-1	73
Fuse Panel P-024	74-1	74
Alarm Distribution Panel	75-1	75
Generator Set Installation	76-1	76
Main Generator Assembly	77-1	77
Rotating Rectifier Assembly	78-1	78
Emergency Shutdown Head and Linkage	79-1	79
Synchronizing Motor	80-1	80
Hydraulic Governor	81-1	81
Governor Oil Filter	82-1	82
Air Intake	83-1	83
Blower.....	84-1	84
Fuel Pump and Drain	85-1	85
Fuel Filter	86-1	86
Fuel Strainer	87-1	87
Fuel Injectors	88-1	88
Fuel Lines	89-1	89
Oil Filter	90-1	90
Oil Cooler	91-1	91
Fresh Water Pump	92-1	92
Expansion Tank and Water Connections	93-1	93
Water Manifold	94-1	94
Thermostat and Housing	95-1	95
Relay, Shutdown and Switches	96-1	96
Overspeed Governor	97-1	97
Tachometer and Drive	98-1	98
Air Cleaner	99-1	99
Crankshaft Pulley	100-1	100
Balance Weight and Cover	101-1	101
Engine Lift Brackets and Supports	102-1	102
Exhaust Manifolds	103-1	103

Group 02

TABLE OF CONTENTS (Cont'd)

	Page	Illus/ Figure
Rocker Arm Cover	104-1	104
Injector Controls	105-1	105
Oil Pan, Dipstick and Fill	106-1	106
Cylinder Head	107-1	107
Valve Operating Mechanism	108-1	108
Exhaust Valve Arrangement	109-1	109
Camshaft and Gear Train	110-1	110
Idle Gear Hole Spacer Assembly	111-1	111
Idle Gear	112-1	112
Flywheel and Housing	113-1	113
Oil Pressure Regulator	114-1	114
Lube Oil Pump	115-1	115
Oil Distribution System	116-1	116
Pistons, Connecting Rods and Liners	117-1	117
Crankshaft and Bearings	118-1	118
Cylinder Block	119-1	119
Instrument Panel	120-1	120
Starting Aid	121-1	121
Generator and Regulator Mounting	122-1	122
12-Volt Generator	123-1	123
6-Volt Batteries	124-1	124
24-VDC Rectifier	125-1	125
Distribution Panel L-100	126-1	126
Distribution Panels L-101, L-103, and L-107	127-1	127
Distribution Panel L-102	128-1	128
Distribution Panels L-105 and L-106	129-1	129
Distribution Panels L-109 and L-110	130-1	130
Disconnect Switches	131-1	131
Safety Switch, Air Horn Compressor	132-1	132
Toggle Switch	133-1	133
Pushbutton Switch	134-1	134
Wake Light Switch-Symbol 804.1	135-1	135
Incandescent Bulkhead Fixture	136-1	136
Incandescent Bulkhead Fixture	137-1	137
Incandescent Ceiling Fixture	138-1	138
Fluorescent Berth Light-8 Watt	139-1	139
General Purpose Fluorescent Light	140-1	140
Fluorescent Desk Light-8 Watt	141-1	141
Desk Light Filter	142-1	142
General Purpose Fluorescent Light	143-1	143
Relay-Operated Lantern	144-1	144
Portable Lantern	145-1	145
Rotary Light, Red	146-1	146
Rotary Light, Amber	147-1	147
Fluorescent Light Fixture, Red and White	148-1	148
Navigation Light Panel	149-1	149

TABLE OF CONTENTS (Cont'd)

	Slack Cable Limit Switch	150-1	150
	Connection Box-20 Terminal	151-1	151
	Connection Box-10 Terminal	152-1	152
	Watertight Receptacle-Symbol 735.1	153-1	153
	Watertight Receptacle-Symbol 900.1	154-1	154
	Triple Receptacle	155-1	155
	Junction Boxes	156-1	156
Group 03	Bow Ramp and Winch		
	Bow Ramp and Fairlead	157-1	157
	Lower Fairlead Sheave Assembly	158-1	158
	Upper Fairlead Sheave Assembly	159-1	159
	Wire Rope Guards and Slack Cable Switch Bracket	160-1	160
	Bow Ramp Winch Assembly	161-1	161
	Torque Coupling	162-1	162
	Speed Reducer	163-1	163
	Magnetic Brake	164-1	164
	Bow Ramp Winch Motor.....	165-1	165
	Motor Controller	166-1	166
	Motor Controller Started	167-1	167
	4-Position Control Station	168-1	168
	5-Position Control Station	169-1	169
	Hand Crank Interlock Limit Switch	170-1	170
Group 04	Stern Gate and Portable Davit		
	Stern Gate and Portable Davit	171-1	171
Group 05	Anchor Handling System		
	Anchor Winch Assembly	172-1	172
	Anchor Winch Universal Joint Assembly	173-1	173
	Anchor Winch Drive Brake	174-1	174
	Anchor Winch Gear Drive	175-1	175
	Level Wind Assembly and Guard	176-1	176
	Anchor Winch Gear Guard and Frame	177-1	177
	Anchor Winch Drum Assembly	178-1	178
	Anchor Winch Slack Puller	179-1	179
	Slack Puller Hydraulic Motor	180-1	180
	Clutch Hydraulic Cylinder	181-1	181
	Disconnect Clutch	182-1	182
	Clutch Cover Plate	183-1	183
	Torque Converter-Fluid System Group	184-1	184
	Torque Converter-Input Group	185-1	185
	Torque Converter-Output Group	186-1	186
	Torque Converter-Basic Group	187-1	187
	Hydraulic Tank Assembly	188-1	188
	Hydraulic Filter	189-1	189
	Pilot Valve and Manifold	190-1	190
	Pressure Control Valve	191-1	191
	Check Valve	192-1	192

TABLE OF CONTENTS (Cont'd)

	Page	Illus/ Figure
Directional Valve-Pilot Operated	193-1	193
Relief Valve	194-1	194
Check Valve	195-1	195
Pressure Reducing Valve	196-1	196
Hydraulic Pump	197-1	197
Hydraulic Pump Couplings	198-1	198
Hydraulic Piping	199-1	199
Spring Centered Solenoid Directional Valve	200-1	200
Anchor Winch Brake Control	201-1	201
Engine Clutch and Throttle Controls	202-1	202
Throttle Cable end linkage	203-1	203
Engine Stop Control	204-1	204
Engine Emergency Stop Control	205-1	205
Engine and Torque Converter Mounting	206-1	206
Engine Throttle Linkage	207-1	207
Governor Linkage and Mounting	208-1	208
Governor Control Housing Assembly	210-1	210
Governor Housing Assembly	212-1	212
Air Intake	213-1	213
Blower.....	214-1	214
Fuel Pump	215-1	215
Fuel Lines	216-1	216
Fuel Strainer	217-1	217
Fuel Filter	218-1	218
 Fuel Injectors	 219-1	 219
Oil Filters	220-1	220
Oil Cooler	221-1	221
Fresh Water Pump	222-1	222
Water Connections	223-1	223
Water Manifold	224-1	224
 Thermostat end Housing	 225-1	 225
 Over speed Governor	 226-1	 226
Tachometer Drive	227-1	227
Crankshaft Pulley and Damper	228-1	228
Balance Weight Cover	229-1	229
Engine Lift Brackets	230-1	230
Exhaust Manifold	231-1	231
Rocker Arm Cover	232-1	232
Injector Controls	233-1	233
Oil Pan and Dipstick	234-1	234
Cylinder Head	235-1	235
Valve Operating Mechanism	236-1	236
Exhaust Valve Arrangement	237-1	237

TABLE OF CONTENTS (Cont'd)

	Page	Illus/ Figure
Camshaft and Gear Train	238-1	238
Idle Gear Hole Spacer Assembly	239-1	239
Idle Gear	240-1	240
Flywheel end Housing	241-1	241
Oil Pressure Regulator	242-1	242
Oil Pump	243-1	243
Breather Tube	244-1	244
Oil Distribution System	245-1	245
Pistons, Connecting Rods and Liners	246-1	246
Crankshaft and Bearings	247-1	247
Cylinder Block	248-1	248
Instrument Panel and Tachometer	249-1	249
Starting Aid	250-1	250
Anchor Winch Engine Hydrostarter	251-1	251
Hydraulic Starting System Accumulator	252-1	252
Engine Driven Hydraulic Pump	253-1	253
Hydraulic Starting System Hand Pump	254-1	254
Hydraulic Starting System Reservoir	255-1	255
Hydraulic Starting System High Pressure Filter	256-1	256
Hydraulic Starting System Suction Filter	257-1	257
Hydraulic Starting System Piping	258-1	258
Hydraulic Starting System Solenoid Valve	259-1	259
Anchor A-Frame Fairleader	260-1	260
Anchor, A-Frame and Cables	261-1	261
Wire Rope Cutter	262-1	262
Group 06 Mast Installation		
Group 07 Mast Installation	263-1	263
Ship Hydraulic System		
Hydraulic Power Unit	264-1	264
Hydraulic Pump Motor	265-1	265
Hydraulic Pump	266-1	266
Hydraulic Reservoir	268-1	268
Motor Controller	269-1	269
Motor Starter	270-1	270
3-Position Element Control System	271-1	271
Pressure Gage and Isolator	272-1	272
Directional Control Valve and Subplate	273-1	273
Stern Gate Hydraulic System Piping	275-1	275
Stern Gate Hydraulic Cylinder	276-1	276
Mast Hydraulic Cylinder	277-1	277
Directional Control Valve	278-1	278
Flow Control Manifold	279-1	279
Mast Hydraulic System Piping	280-1	280

TABLE OF CONTENTS (Cont'd)

	Page	Illus/ Figure
A-Frame Hydraulic Winch	281-1	281
Hydraulic Winch Motor	282-1	282
Directional Control Valve	285-1	285
Flow Control Manifold	286-1	286
A-Frame Winch Hydraulic System Piping	287-1	287
Steering Systems		
Hydraulic Cub Pump Unit	288-1	288
Brake Valve	289-1	289
Directional Control Valve	290-1	290
Hydraulic Pump	291-1	291
Pump Motor and Coupling	292-1	292
Motor Controller	293-1	293
Steering Hydraulic Cylinder	294-1	294
Flanking Rudder Linkage	295-1	295
Main Rudder Linkage	296-1	296
Flanking Rudder Stock Arrangement	297-1	297
Main Rudder Stock Arrangement	298-1	298
Main Rudder Angle and Repeat Back Transmitter	300-1	300
Flanking Rudder Limit Switch	301-1	301
Rudder Angle Indicator	302-1	302
Heading Selector	303-1	303
Steering Control Panel	305-1	305
Remote Magnetic Heading System	306-1	306
Emergency Steering Arrangement	307-1	307
Pump Sets		
Fire Pump	308-1	308
Pump Motor	309-1	309
Motor Controller	310-1	310
Contactors	311-1	311
Starter	312-1	312
M Type Relay	313-1	313
Bilge Pump	314-1	314
Bilge Pump Foundation and Guard	315-1	315
Lube Oil Pump Set	316-1	316
Standby Lube Oil Pump	317-1	317
Pump Motor	318-1	318
Motor Controller	319-1	319
Starter	320-1	320
Fresh Water Pump	321-1	321
Pump Motor	322-1	322
Motor Controller	323-1	323

TABLE OF CONTENTS (Cont'd)

	Page	Illus/ Figure
M Type Relay	324-1	324
Air Conditioning Water Circulation Pump	325-1	325
Pump Motor	326-1	326
Controller	327-1	327
Sea Water Cooling Pump	328-1	328
Pump Motor	329-1	329
Motor Controller	330-1	330
Flush Water Pump	331-1	331
Pump Motor	332-1	332
Controller	333-1	333
Sewage Discharge Pump	334-1	334
Pump Motor and Coupling	335-1	335
Motor Controller	336-1	336
Starter	337-1	337
M Type Relay	338-1	338
Vacuum Pump Oil Reservoir	339-1	339
Vacuum Pump Lubricator	340-1	340
Sewage System Vacuum Pump	341-1	341
Pump Motor	342-1	342
Lube Oil Transfer Pump	343-1	343
Portable Fire Pump-Outboard Marine Model	344-1	344
Starter Assembly	345-1	345
Carburetor Assembly	346-1	346
Carburetor Linkage, Control Panel and Manifold Assembly	347-1	347
Fuel Tank Assembly	348-1	348
Magneto Assembly	349-1	349
Power Head and Receiver Assembly	350-1	350
Crankshaft and Piston Assembly	351-1	351
Frame and Corners Assembly	352-1	352
Foot Valve Assembly	353-1	353
Pressure Regulator and Operating Cylinder	354-1	354
Pump and Water Outlet Valve	355-1	355
Priming Pump and Gear Housing	356-1	356
Portable Fire Pump-Hale Model	357-1	357
Group 10 Sewage System		
Water Closet	358-1	358
Water Closet Timer	359-1	359
Urinal	360-1	360
Discharge Valve	361-1	361
Group 11 Heating, Ventilation and Air Conditioning System (HVAC)		
Recirculating Fan	362-1	362
Magnetic Controller	363-1	363
Starting 3 Pole	364-1	364
Breakglass Control Station	365-1	365
HVAC Ducting	366-1	366
HVAC Ducting	367-1	367

TABLE OF CONTENTS (Cont'd)

	Page	Illus/ Figure
HVAC Ducting.....	368-1	368
HVAC Ducting.....	369-1	369
HVAC Ducting.....	370-1	370
Exhaust Fan	371-1	371
Controller	372-1	372
Starter	373-1	373
Breakglass Control Station	374-1	374
Exhaust Fan	375-1	375
Magnetic Controller	376-1	376
Breakglass Control Station	377-1	377
Exhaust Fan	378-1	378
Manual Starter	379-1	379
Breakglass Control Station	380-1	380
Axial Vane Fan	381-1	381
Manual Starter (Assembled)	382-1	382
Breakglass Control Station	383-1	383
Blower Heater	384-1	384
Electric Turret Heater	385-1	385
Thermostats.....	386-1	386
Duct Heater, 3.3 KW	387-1	387
Duct Heater, 1.3 KW	388-1	388
Duct Heater, 2.2 KW	389-1	389
Duct Heater, 2.5 KW	390-1	390
Duct Heater, 3.8 KW	391-1	391
Duct Heater, 7.5 KW	392-1	392
Compressor Unit Assembly	393-1	393
Air Compressor	394-1	394
Air Compressor Motor	395-1	395
Controller	396-1	396
Condenser	398-1	398
Strainer	399-1	399
Drier.....	400-1	400
Gage Board	401-1	401
Thermal Expansion Valve	402-1	402
Liquid Solenoid Valve	403-1	403
Air Conditioning Piping-From Unit	404-1	404
Air Conditioning Piping-From Seachest	405-1	405
Cooling Coil Drain Piping	406-1	406
Simplex Strainer	407-1	407
Commissary Space Equipment		
Refrigerator-Freezer	408-1	408
Toaster	409-1	409
Drinking Fountain	410-1	410
Milk Dispenser	411-1	411
Coffee Maker	412-1	412
Washer/Dryer Exterior	413-1	413

Group 12

TABLE OF CONTENTS (Cont'd)

	Page	Illus/ Figure
Washer/Dryer Drum Heater	414-1	414
Washer/Dryer Blower	415-1	415
Washer/Dryer Tubs, Water Valve and Lid Switch	416-1	416
Washer/Dryer Drive System Pump	417-1	417
Washer/Dryer Transmission, Water Seal and Lower Bearing	418-1	418
Sanitizing Sink Heater	419-1	419
Electric Range	420-1	420
Group 13 Washroom Fixtures		
Washroom Equipment	421-1	421
Group 14 Firefighting System		
Firefighting Components	422-1	422
Halon Control Panel	423-1	423
Pneumatic Heat Detector	424-1	424
Cylinder Assembly, 1301, 40 Pound	425-1	425
Cylinder Assembly, 1301, 60 Pound	426-1	426
Halon System Piping and Wiring	427-1	427
Group 15 Interior Communications		
Alarm Switchboard	428-1	428
2-Line Alarm Panel	429-1	429
Amplifier/Loudspeaker	431-1	431
Sound Powered Handset	432-1	432
Chest Headset, Hook and Locker	433-1	433
Jackbox and Plug	434-1	434
Public Address With Battery	435-1	435
External Battery Cable Assembly	436-1	436
Loudhailer Assembly	437-1	437
Amplifier Assembly	438-1	438
Tachometers	439-1	439
Call System Major Components	440-1	440
Connection Boxes	441-1	441
Voice Tubes	442-1	442
Group 16 Electronic/Navigation Systems		
Electronic Foundations	443-1	443
Navigation Horn	445-1	445
24 Volt Distribution Panel	446-1	446
Group 17 Oil/Water Separator		
Oil-Water Separator	447-1	447
Solenoid Valve	448-1	448
Solenoid Valve	449-1	449
Manual Ball Valve	450-1	450
Separator Subassembly	451-1	451
Manual Ball Valve	452-1	452
Pump-Motor Assembly	453-1	453
Manual Ball Valve	454-1	454
Pump-Motor	455-1	455
Central Control Panel Assembly	456-1	456

TABLE OF CONTENTS (Cont'd)

	Page	Illus/ Figure
Group 18		
Piping Systems		
Exhaust Pipe Hanger	457-1	457
Fire Control System	458-1	458
Fog Nozzle	459-1	459
Simplex Strainer	460-1	460
Ballast Piping System	461-1	461
Gage Piping	462-1	462
Wye Strainer	463-1	463
Bilge Piping	464-1	464
Oil-Water Separator Bilge System	465-1	465
Generator Engine Cooling System	466-1	466
Expansion Tank Piping	467-1	467
Propulsion Engine Cooling System	468-1	468
Hull Coolers	469-1	469
Lube Oil Storage Tank and Gage	470-1	470
Lube Oil Transfer Piping	471-1	471
Standby Lube Oil Piping	472-1	472
Diesel Oil Storage Tank Piping	473-1	473
Diesel Oil Piping	474-1	474
Diesel Oil Piping and Sea Chests	475-1	475
Duplex Strainer	476-1	476
Fuel Filter/Separator Piping	477-1	477
Fuel Filter/Separator	478-1	478
Washdown System	479-1	479
Propeller Shaft Bearing Lube	480-1	480
Exhaust Piping Insulation Forward Engine Room	481-1	481
Diesel Engine Exhaust Piping Forward Engine Room	482-1	482
Exhaust Piping Insulation Aft Engine Room	483-1	483
Diesel Engine Exhaust Piping Aft Engine Room	484-1	484
Sewage Tank Discharge Piping	485-1	485
Sewage Waste Drain Piping	486-1	486
Sewage Tank Vent Piping	487-1	487
Fresh and Flush Water System	488-1	488
Reach Rods-Ballast Suction Valve	489-1	489
Reach Rods-Diesel Oil Shutoff Valve.....	490-1	490
Reach Rods-Bilge Suction Header Isolation Valve	491-1	491
Reach Rods-Magazine Sprinkler Valve	492-1	492
Group 19		
Tanks and Voids		
Tank Level Indication Receiver	493-1	493
Transmitters.....	494-1	494
Cable Assembly	495-1	495
Bracket Assembly	496-1	496
Penetration Assembly	497-1	497
Water Heater	498-1	498
Sewage Tank Piping	499-1	499
Filter Assembly	500-1	500
Sewage Tank and Gages	501-1	501
Filler/Muffler Assembly	502-1	502

TABLE OF CONTENTS (Cont'd)

		Page	Illus/ Figure
Group 20	Plumbing and Deck Drains		
	Sanitary Drain System	503-1	503
	Scupper Valve	504-1	504
	Scupper Valve	505-1	505
Group 21	Vents and Sounding Tubes		
	Vents and Sounding Tubes	506-1	506
Group 22	Hull and Outfit		
	Furniture-Galley and Mess Room	507-1	507
	Furniture-Pilot House and Deck House Top	508-1	508
	Furniture-Crew Berthing Space	509-1	509
	Furniture-Officer Stateroom	510-1	510
	Portable Air Compressor	511-1	511
	Air Compressor Assembly	512-1	512
	Lashing Gear	513-1	513
	Sliding Doors	515-1	515
	Scuttles	517-1	517
	Manholes	518-1	518
	Windows and Airports	519-1	519
	Towing Bridle and Deck Plug	520-1	520
	High Intensity Spot Light	521-1	521
	Window Wiper Assembly, Pilot House	522-1	522
	Window Wiper Motor, Pilot House	523-1	523
	Window Wiper Control, Pilot House	524-1	524
	Window Wiper Assembly, Conning Tower	525-1	525
	Window Wiper Motor, Conning Tower	526-1	526
	Window Wiper Control, Conning Tower	527-1	527
	Navigation Light-Port	528-1	528
	Navigation Light-Starboard	529-1	529
	Navigation Light-Towing	530-1	530
	Navigation Light-Masthead	531-1	531
	Navigation Light-Stern, Clear	532-1	532
	Signal Light-Task	533-1	533
	Navigation Light-Anchor and Boom	534-1	534
	Signal Light-Man Overboard	535-1	535
	Navigation Light-Blinker	536-1	536
	Wake Light	537-1	537
	Searchlight Mounting and Yoke Assembly	538-1	538

TABLE OF CONTENTS (Cont'd)

	Page	Illus/ Figure
Searchlight Hood Assembly	539-1	539
Searchlight Shutter Assembly	540-1	540
Searchlight Drum Assembly	541-1	541
Stanchions and Railings	542-1	542
Lifting Sling	543-1	543
Air Horn Piping	545-1	545
Air Horn Assembly	546-1	546
Whistle Valve Assembly	547-1	547
Air Strainer Assembly	548-1	548
Air Compressor Unit	549-1	549
Air Compressor	550-1	550
Section III		
SPECIAL TOOLS		
Special Tools List	551-1	551
Section IV		
CROSS REFERENCE INDEXES		
National Stock Number Index	I-1	
Part Number Index	I-45	
Figure and Item Number Index	I-313	

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

Section I. INTRODUCTION

1. **SCOPE.** This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of organizational and general support maintenance of the Landing Craft Utility, LOU 1671 through LOU 1679. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes.

2. **GENERAL.** In addition to this section, Introduction, this Repair Parts and Special Tools List is divided into the following sections:

a. **Section II. Repair Parts List.** A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. This list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence. Items are shown in the associated illustration(s)/figure(s).

b. **Section III Special Tools List.** A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. **Section IV. Cross-Reference Index.** A list, in National Item Identification Number (NUN) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross referenced to each illustration figure and item number appearance. The figure and item number index lists figure and item numbers in alphanumeric sequence and cross references NON, CAGEC and part number.

3. EXPLANATION OF COLUMNS (SECTIONS II AND III).

a. **ITEM NO. (Column (1)).** Indicates the number used to identify items called out in the illustration.

b. **SMR Code (Column (2)).** The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following breakout:

Source Code		Maintenance Code		Recoverability Code
↓		↓		↓
XX		XX		XX
↓		↓		↓
How you get an item	1st two positions	3rd position Who can install replace or use the item	4th position Who can do complete repair* on the item	Who determines disposition action on an unserviceable item

* Complete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) Source Code. The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follows:

Source Code**Explanation**

PA	}	Stocked items; use the applicable NSN to requested/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3rd position of the SMR code.
PB		
PC**		
PD		
PE		
PF		
PG		

**NOTE: Items coded PC are subject to deterioration.

KD	}	Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the J 3rd position of the SMR code. The complete kit must be requisitioned and applied.
KF		
KB		

MO - (Made at Unit/AVUM-Level)-	}	Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION and USABLE ON CODE (UOC) column and listed in the Bulk Material group of the repair parts list in this RPSTL. If the item is authorized to you by the 3rd position code of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.
MF - (Made at DS/AVUM-Level)-		
MH - (Made at GS Level)		
ML - (Made at Specialized-Repair Activity (SRA))		
MD - (Made at Depot)		

AO - (Assembled by Unit/AVUM Level)	}	Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the 3rd position code of the SMR code authorizes you to replace the item, but the source code indicates the items are assembled at a higher level, order the item from the higher level of maintenance.
AF - (Assembled by DS/AVIM Level)		
AH - (Assembled by GS Category)		
AL - (Assembled by SRA)		
AD - (Assembled by Depot)		

XA - Do not requisition "XA"-coded item. Order its next higher assembly. (Refer to the NOTE below.)

XB - If an "XB" item is not available from salvage, order it using the CAGEC and part number given.

XC - Installation drawing, diagram, instruction sheet, field service drawing, that is identified manufacturer's part number.

XD - Item is not stocked. Order an "XD", -coded item through normal supply channels using the CAGEC and part number given if no NSN is available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 750-1 .

(2) Maintenance Code. Maintenance codes tell you the level(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to the following levels of maintenance.

Maintenance Code	Application/Explanation
C	Crew or operator maintenance done within unit/AVUM maintenance.
O	Unit level/AVUM maintenance can remove, replace, and use the item.
F	Direct support/AVIM maintenance can remove, replace, and use the item.
H	General support maintenance can remove, replace, and use the item.
L	Specialized repair activity can remove, replace, and use the item.
D	Depot can remove, replace, and use the item.

(b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (i.e., perform all authorized repair functions.)

NOTE

Some limited repair may be done on an item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart and SMR codes.

Maintenance Code	Application/Explanation
O	Unit/AVUM is the lowest level that can do complete repair of the item.
F	Direct support/AVIM is the lowest level that can do complete repair of the item.
H	General Support is the lowest level that can do complete repair of the item.
L	Specialized repair activity is the lowest level that can do complete repair of the item.
D	Depot is the lowest level that can do complete repair of the item.
Z	Non reparable. No repair is authorized.
B	No repair is authorized. No parts or special tools are authorized for the maintenance of a ``B" coded item. However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.

(3) Recoverability Code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR Code as follows:

Recoverability Codes

Application/Explanation

Z - Non reparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in ad position of SMR Code.

O - Reparable item. When not economically reparable, condemn and dispose of the item at unit or AVUM level.

F - Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support or AVIM level.

H - Reparable item. When uneconomically reparable, condemn and dispose of the item at the general support level.

D - Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item not authorized below depot level.

L - Reparable item. Condemnation and disposal not authorized below specialized repair activity (SRA).

A - Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. CAGEC (Column (3)). The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency/activity that supplies the item.

d. PART NUMBER (Column (4)). Indicates the primary number used by the manufacturer, (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When you use an NSN to requisition an item, the item you receive may have a different part number from the number listed.

e. DESCRIPTION AND USABLE ON CODE (UOC) (Column (5)). This column includes the following information:

(1) The Federal item name and, when required, a minimum description to identify the item.

(2) Part numbers of bulk materials are referenced in this column in the line entry to be manufactured/fabricated.

(3) The statement "END OF FIGURE" appears just below the last item description in Column (5) for a given figure in both Section II and Section Iilit

f. QTY (Column (6)). The CITY (quantity per figure) column indicates the quantity of the item used in the breakout shown on the illustration/figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column instead of a quantity indicates that the quantity is variable and may vary from application to application.

4. EXPLANATION OF INDEX FORMAT AND COLUMNS (SECTION IV).

a. NATIONAL STOCK NUMBER (NSN) INDEX.

(1) STOCK NUMBER Column. This column lists the NSN in national item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN, i.e.

NSN
5305-01-574-1 467
NIIN

When using this column to locate an item, ignore the first four digits of the NSN. Use the complete NSN (13 digits) when requisitioning items by stock number.

(2) FIG. Column. This column lists the number of the figure where the item is identified/located. The figures are in numerical order in Section II and Section I.

(3) ITEM Column. The item number identifies the item associated with the figure listed in the adjacent FIG. column. This item is also identified by the NSN listed on the same line.

b. PART NUMBER INDEX. Part numbers in this index are listed by part number in ascending alphanumeric sequence (i.e., vertical arrangement of letter and number combination which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9, and each following letter or digit in like order).

(1) CAGEC Column. The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency/activity that supplies the item.

(2) PART NUMBER Column. Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

(3) STOCK NUMBER Column. This column lists the NSN for the associated part number and manufacturer identified in the PART NUMBER and CAGEC columns to the left.

(4) FIG. Column. This column lists the number of the figure where the item is identified/located in Section II and Section I.

(5) ITEM Column. The item number is that number assigned to the item as it appears in the figure referenced in adjacent figure number column.

c. FIGURE AND ITEM NUMBER INDEX.

(1) FIG. Column. This column lists the number of the figure where the item is identified/located in Section II and Section I.

(2) ITEM Column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

(3) STOCK NUMBER Column. This column lists the NSN for the item.

(4) CAGEC Column. The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency/activity that supplies the item.

(5) PART NUMBER Column. Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

5. SPECIAL INFORMATION.

a. ASSOCIATED PUBLICATIONS. The publications listed below pertain to the Landing Craft Utility LCU 1671 thru 1679 and its components.

<u>Publication</u>	<u>Short Title</u>
TM 55-1905-220-34P-1 and 34P-2	DS and GS Maintenance RPSTL LCU 1671 thru 1679
TM 55-1905-220-14-1 thru -12	Operator, Organizational, DS and GS Maintenance Manuals
LO 55-1905-220-12	Lubrication Order, LCU 1671-1679

b. ILLUSTRATIONS - LISTING. The illustrations in this RPSTL, containing parts authorized at unit level, are identical to those published in TM 55-1905-220-34P-1. Only those parts codes "C" or "O" in the third position of the SMR Code are listed in the tabular listing; therefore, there may be a break in the item number sequence and there will be a break in the figure number sequence. Only illustrations containing Unit or AVUM in Section II authorized items appear in this RPSTL.

6. HOW TO LOCATE REPAIR PART.

a. When National Stock Numbers or Part Numbers are NOT Known.

(1) First. Using the table of contents, determine the assembly or subassembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.

(2) Second. Find the figure covering the assembly group or subassembly group to which the item belongs.

(3) Third. Identify the item on the figure and use the Figure and Item Number Index to find the NSN.

b. When National Stock Number or Part Number is Known.

(1) First. Using the of National Stock Number and Part Number Indexes find the pertinent National Stock Number or Part Number. The NSN index is in National item Identification Number (NIIN) sequence (see paragraph 4.a.). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see paragraph 4.b.). Both indexes cross-reference you to the illustration/figure and item number of the item you are looking for.

(2) Second. Turn to the figure and item number, verify that the item is the one you are looking for, then locate the item number in the repair parts list for the figure.

7. ABBREVIATIONS. Abbreviations used in this manual are listed in MIL-STD-12.

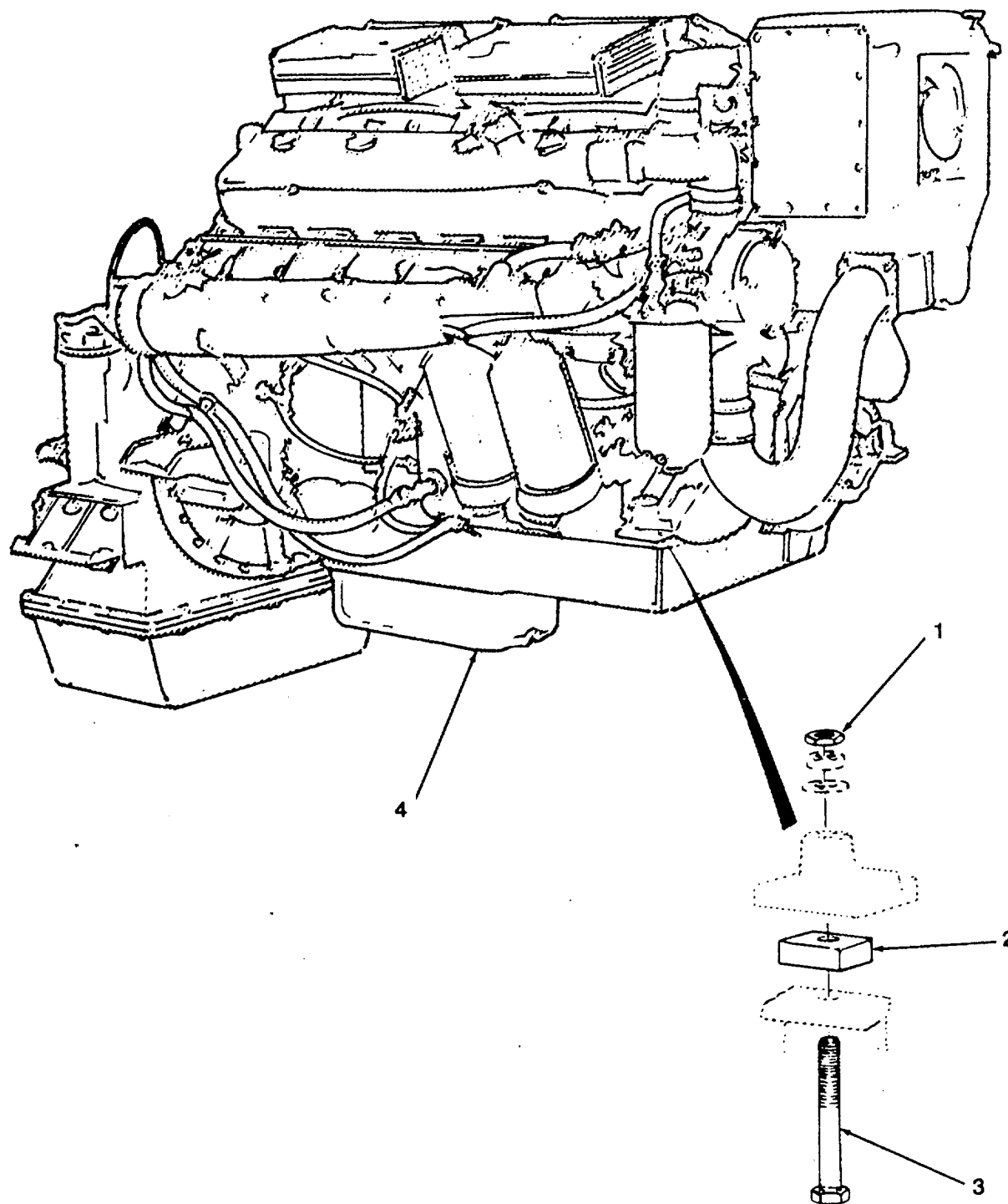


Figure 1. Diesel Engine and Marine Gear-Mounting-(Sheet 1 of 2)

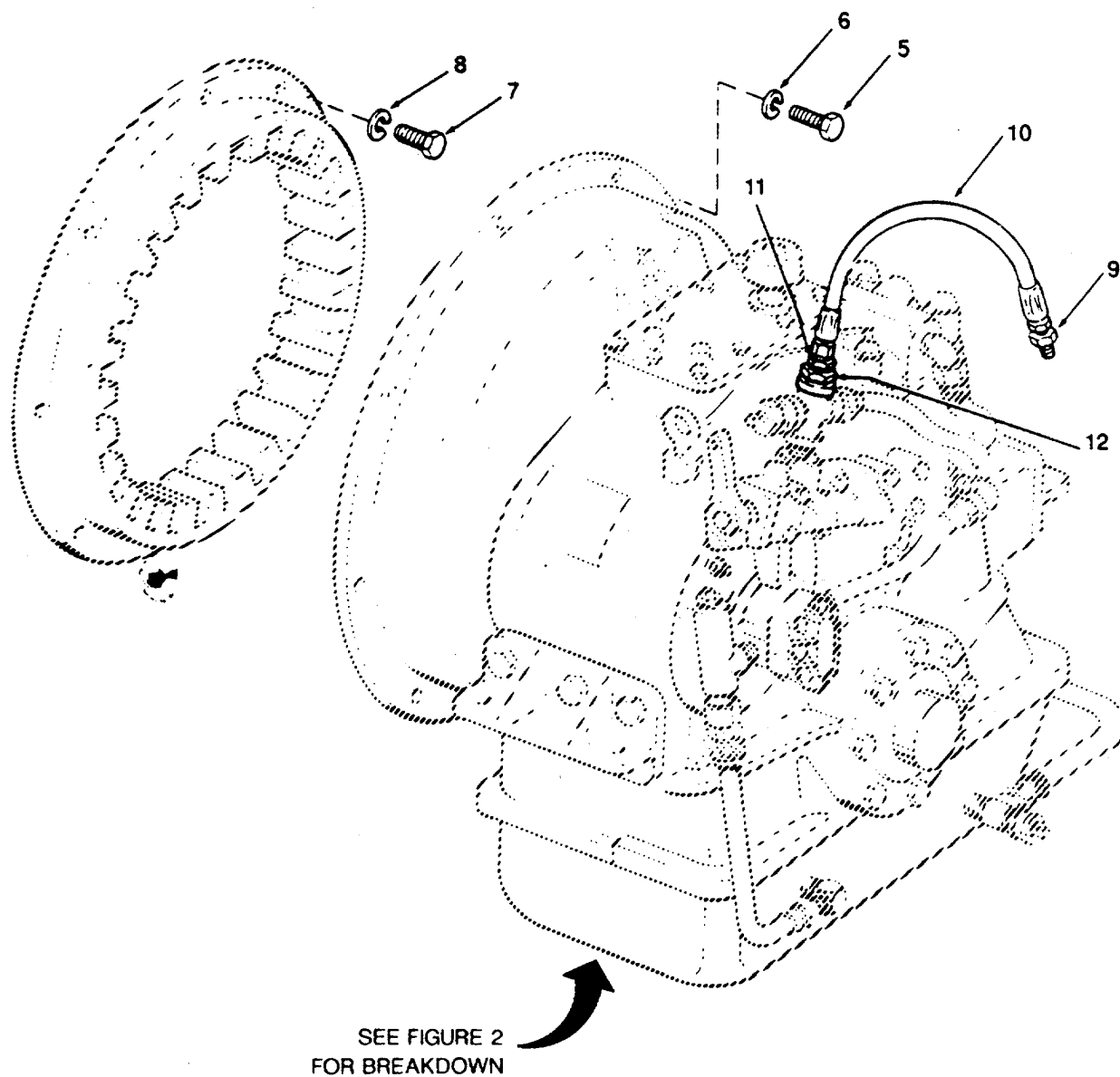


Figure 1. Diesel Eye and Marine Gear Mounting (Sheet 2 of 2)

SECTION II

TM 55-1905-220-20P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 01 PROPULSION UNIT	
				FIGURE 1 DIESEL ENGINE AND MARINE GEAR MOUNTING	
1	PACZZ	96906	MS35691-65	NUT, PLAIN, HEXAGON	4
2	XDCZZ	20420	PR-610TCF	LINER CHOCK FAST ORANGE RESIN.....	4
3	XDCZZ	96906	MS90725-223	SCREW, CAP, HEXAGON H.....	4
4	PBCHH	72582	7122-7000	ENGINE, DIESEL MAIN PROPULSION W/ MARINE GEAR INCLUDES OPTIONAL EQUIPMENT LISTED ON ENGINE OPTION PLATE.....	2
5	PACZZ	80204	B1821BH044C138N	.SCREW, CAP, HEXAGON H.....	11
6	PACZZ	96906	MS35338-47	.WASHER, LOCK	11
7	XDCZZ	96906	MS90725-111	.SCREW CAP HEX HEAD	8
8	XDCZZ	96906	MS35338-48	.WASHER, LOCK	8
9	PACZZ	72983	248X4	.ADAPTER, STRAIGHT, PI INCH	1
10	PACZZ	72582	5131604	.HOSE ASSEMBLY, NONME 21/32 INCH	1
11	XDCZZ	72582	1508350	.COUPLING, PIPE.....	1
12	PACZZ	96906	MS39232-6	.REDUCER, PIPE.....	1

END OF FIGURE

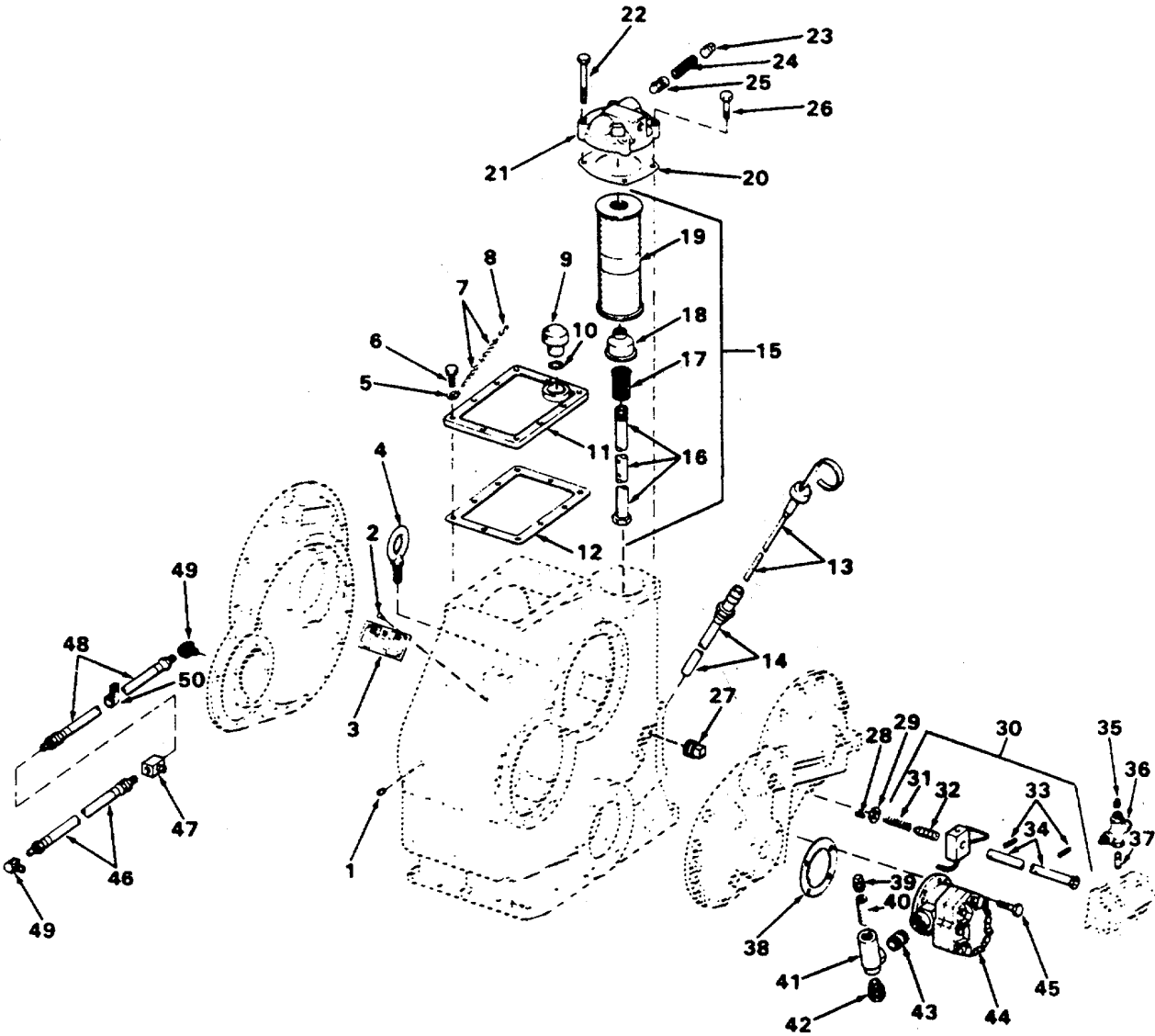


Figure 2. Marine Gear {Sheet 1 of 6} of 6)

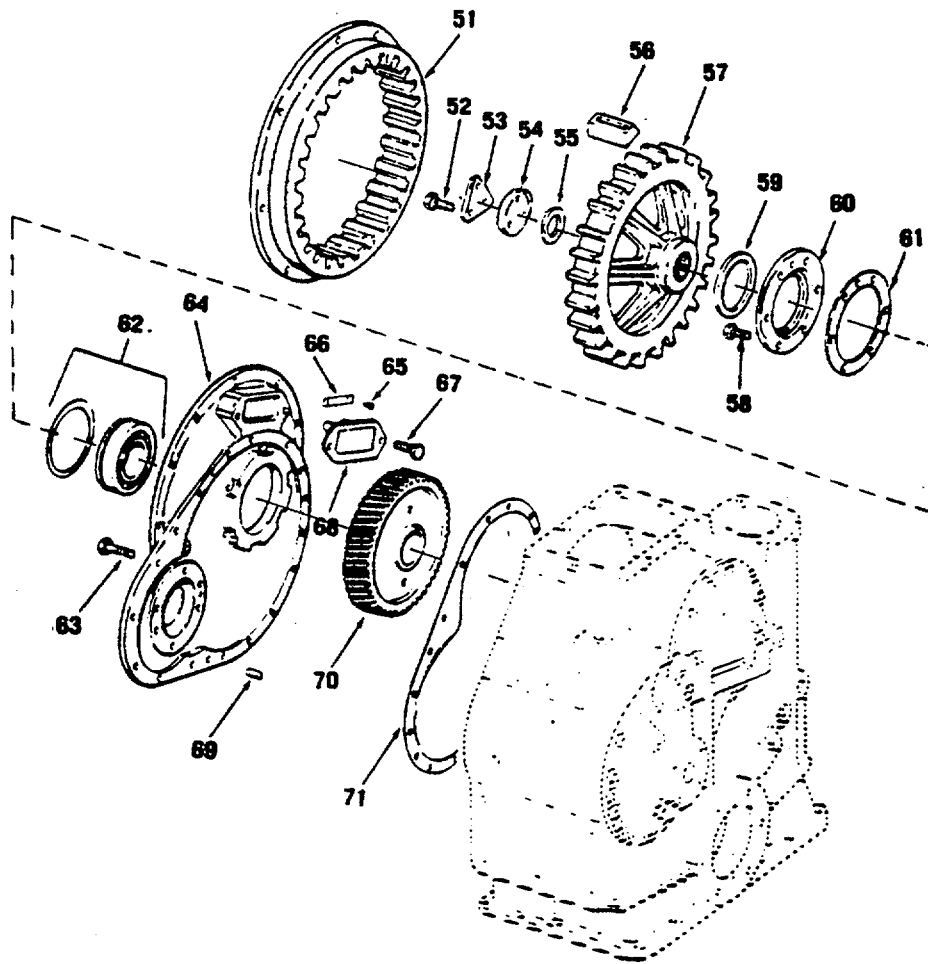


Figure 2. Marine Gear (Sheet 2 of 6)